

Water Drop Activity Instructions

After this activity, your students will know...

- where water from the faucet comes from
- water drops can move over some materials and are absorbed by other materials

Your students will learn by ...

- creating artwork
- using fine motor skills
- making and testing predictions

What you need:

- Water in a small bowl
- Paper
- Crayon, pencil, or marker
- Plastic bag or zip lock bag

Background - What do we know about water?

- Where does the water that comes out of your faucet come from?
- Metro Water Services has a water treatment plant that cleans the water. Many people work there to clean your water. See how Metro Water Services cleans your water <https://youtu.be/72BbuXDcWOA>
- Learn vocabulary: absorb, surface tension, adhesion <https://www.scienceworld.ca/resource/water-drop-races/>

Art time!

- Draw a picture with the water treatment plant at the top of the page and your home at the bottom of the page.
- Connect the water plant to your home with a road.

Activity time!

- Put your picture in a clear, plastic bag.
- Put a drop of water on the plastic bag at the water treatment plant.
- Tilt the paper to make the water drop move down the road to your home.

More art!

- What are the other buildings in your neighborhood? Houses, stores, schools...
- Add more buildings to your drawing, and more roads. Label the buildings.

Try it again!

- Can you make the water drop go to every house on the drawing?

What do you think? Make a prediction and test it!

- Which drop will move faster – a larger drop or a smaller drop?
- Will the drop move on plain paper? Take the plastic off of the paper and try it.

Share your drawing with Metro Water Services!

- Take a picture of the drawing and email it to studentwatertours@nashville.gov
- Post your picture on social media and tag us @NashvilleMWS

